



Form Type	Distribute	Version	2.0	Ref	IPC 1752A	Sectionals	Manufacturing Info/ Material Info	Sectionals	D, A
Supplier Information									
Company Name	TE Connectivity	Request Document ID		Contact Name	Chan, Nelson	Contact Title	Mgr Global Accounts, HKG SELL DIR-EMS		
Company Unique ID	TE Connectivity	Response Date	2016-05-27	Contact Email	nelson.chan@te.com				
Contact Phone Number	+852-2738-8751								
Legal Statement									
Supplier Acceptance	true								
Legal Statement									
The information provided in this document is based upon reasonable inquiry of our suppliers. This information is subject to change. This information does not in any way modify existing purchase specifications or existing contractual or other agreements terms between TE Connectivity (or its affiliated companies) and its customers.									
Product									
Manufacturer Item number	747845-4	Amount	13693.519403	Version	-	Identity			
Manufacturer Item Name	15 MSFL RCPT RA 318 (IN,FM,BL)	Weight Uom	mg	Mfr Site		Authority			
Date		UOM	Each						
EUROHS-0508	Product(s) does not meet EU RoHS requirements and is not under exemptions								
ChinaRoHS-0508	Product(s) is NOT eligible for marking with the e code under China's Measures for Administration of the control of pollution by Electronic Information Products								
EUREACH-0615	REACH Candidate Substances of Very High Concern ARE NOT Contained in the Product Above the Limits per the Definition within REACH								
Manufacturing Information									
J-STD-020 MSL Rating		Max Total a Wave Time		Ramp Rate		Wave Additional Info			
Classification Temp		Max Wave Solder Time	10.0	Ramp Down Rate		Psi Rating Reflow			
Max Time Within 5		Psi Rating Wave		Package Designator		Size	0.0		
Time Above 217		Reflow Additional Info		Preheat Max Temp		Terminal Base Alloy	NAC		
Preheat Duration		bulk Solder Termination	NAC	Nbr or Reflow Cycles		Terminal Plating	NAC		
Preheat Min Temp		Nbr of Instances	0	Component Temp Spike		Shape	NAC		
Product Disclosure									
Sub-Item/Material/Substance	Level	Name	Substance Category	Substance CAS	Substance Concentration	Quantity	Mass per Unit	UOM	Exemption
Sub-Item	1	SHELL,SZ2 RCPT 318 PLST 134DIA				1.0	2317.98	mg	
Material	2	Tin Plate				1.0	42.8	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.07	1.0	0.02996	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	1.0	0.0856	mg	
Substance	3	Tin	Supplier	7440-31-5	99.73	1.0	42.68444	mg	
Material	2	Carbon Steel				1.0	2249.0	mg	
Substance	3	Aluminum	Supplier	7429-90-5	0.08	1.0	1.7992	mg	
Substance	3	Sulfur	Supplier	7704-34-9	0.02	1.0	0.4498	mg	
Substance	3	Carbon	Supplier	7440-44-0	0.02	1.0	0.4498	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	1.0	0.2249	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.02	1.0	0.4498	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.15	1.0	3.3735	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	1.0	2.249	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	1.0	0.2249	mg	
Substance	3	Molybdenum	Supplier	7439-98-7	0.75	1.0	16.8675	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.4	1.0	8.996	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.1	1.0	2.249	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	1.0	0.02249	mg	
Substance	3	Iron	Supplier	7439-89-6	98.1785	1.0	2208.03447	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.05	1.0	1.1245	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.01	1.0	0.2249	mg	

Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	1.0	0.011245	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	2.249	mg	
Material	2	Copper Plate				1.0	26.18	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	1.0	0.02618	mg	
Substance	3	Copper	Supplier	7440-50-8	99.9	1.0	26.15382	mg	
Sub-Item	1	BOARDLOCK, STRIP, PLATED				2.0	136.3	mg	
Material	2	Nickel Plate				2.0	3.2	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	2.0	0.0064	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.0032	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	2.0	3.1904	mg	
Material	2	Tin-Lead Plate				2.0	5.4	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	13.0	2.0	0.702	mg	
Substance	3	Tin	Supplier	7440-31-5	86.5	2.0	4.671	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.5	2.0	0.027	mg	
Material	2	Brass				2.0	127.7	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	2.0	0.001277	mg	
Substance	3	Zinc	Supplier	7440-66-6	28.0225	2.0	35.78473	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.05	2.0	0.06385	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.01277	mg	
Substance	3	Iron	Supplier	7439-89-6	0.05	2.0	0.06385	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	2.0	0.1277	mg	
Substance	3	Copper	Supplier	7440-50-8	71.5	2.0	91.3055	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	2.0	0.001277	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	2.0	0.01277	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	6.385E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	2.0	0.2554	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	2.0	0.006385	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	2.0	0.06385	mg	
Sub-Item	1	EYELET, FORMED, TIN				2.0	154.74	mg	
Material	2	Tin Plate				2.0	3.03	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.07	2.0	0.002121	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	2.0	0.00606	mg	
Substance	3	Tin	Supplier	7440-31-5	99.73	2.0	3.02182	mg	
Material	2	Copper Plate				2.0	3.71	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	2.0	0.00371	mg	
Substance	3	Copper	Supplier	7440-50-8	99.9	2.0	3.70629	mg	
Material	2	Brass				2.0	148.0	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.0010	2.0	0.00148	mg	
Substance	3	Zinc	Supplier	7440-66-6	28.0225	2.0	41.4733	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.05	2.0	0.074	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.0148	mg	
Substance	3	Iron	Supplier	7439-89-6	0.05	2.0	0.074	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	2.0	0.148	mg	
Substance	3	Copper	Supplier	7440-50-8	71.5	2.0	105.82	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	2.0	0.00148	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	2.0	0.0148	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	7.4E-4	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.2	2.0	0.296	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	2.0	0.0074	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	2.0	0.074	mg	
Sub-Item	1	SCKT CNT PLTD 20DF 318 UR 30AU				8.0	110.5842002	mg	

Material	2	Nickel Plate				8.0	2.28	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	8.0	0.00456	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	8.0	0.00228	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	8.0	2.27316	mg	
Material	2	Phos Bronze				8.0	107.9	mg	
Substance	3	Copper	Supplier	7440-50-8	94.6985	8.0	102.17968	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	8.0	0.02158	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	8.0	0.01079	mg	
Substance	3	Tin	Supplier	7440-31-5	4.5	8.0	4.8555	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	8.0	0.005395	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	8.0	0.1079	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	8.0	0.01079	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	8.0	0.001079	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	8.0	0.3237	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.1	8.0	0.1079	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	8.0	0.1079	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	8.0	0.005395	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	8.0	0.05395	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	8.0	0.1079	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	8.0	5.395E-4	mg	
Material	2	Gold Plate				8.0	0.0391446	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	8.0	0.03902717	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.3	8.0	1.1743E-4	mg	
Material	2	Tin-Lead Plate				8.0	0.35	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	13.0	8.0	0.0455	mg	
Substance	3	Tin	Supplier	7440-31-5	86.5	8.0	0.30275	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.5	8.0	0.00175	mg	
Material	2	Gold Plate				8.0	0.0150556	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.3	8.0	4.51668E-5	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	8.0	0.01501043	mg	
Sub-Item	1	15 MSFL FACE COVER				1.0	4784.0	mg	
Material	2	PA46-GF30-FR(17)				1.0	4784.0	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	10.0	1.0	478.4	mg	
Substance	3	Aluminate (Al(OH)63-), (OC-6-11)-, magnesium carbonate hydroxide (2:6:1:4)	Supplier	11097-59-9	0.9	1.0	43.056	mg	
Substance	3	Antimony oxide (Sb2O3)	Supplier	1309-64-4	7.0	1.0	334.88	mg	
Substance	3	Carbon black	Supplier	1333-86-4	0.9	1.0	43.056	mg	
Substance	3	Aromatic Brominated flame retardant with Antimony - ISO 1043-4 code #FR(17)	Supplier	1043-4-FR17	19.0	1.0	908.96	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	30.0	1.0	1435.2	mg	
Substance	3	Polyamide 46 - ISO 1043-1 Term PA46	Supplier	1043-1-PA46	32.2	1.0	1540.448	mg	
Sub-Item	1	INSERT_COLD PRESS,PLTD				2.0	289.0182	mg	
Material	2	Tri Chrome Film				2.0	0.0182	mg	
Substance	3	Silicate(2-), hexafluoro-, hydrogen (1:2)	Supplier	16961-83-4	30.0	2.0	0.00546	mg	

Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	10.0	2.0	0.00182	mg	
Substance	3	Chromium chloride (CrCl3) hydrate (1:6)	Supplier	10060-12-5	60.0	2.0	0.01092	mg	
Material	2	Zinc Alloy				2.0	289.0	mg	
Substance	3	Iron	Supplier	7439-89-6	0.08	2.0	0.2312	mg	
Substance	3	Silicon	Supplier	7440-21-3	0.035	2.0	0.10115	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.01	2.0	0.0289	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	2.0	0.00289	mg	
Substance	3	Tin	Supplier	7440-31-5	0.0020	2.0	0.00578	mg	
Substance	3	Magnesium	Supplier	7439-95-4	0.05	2.0	0.1445	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.02	2.0	0.0578	mg	
Substance	3	Copper	Supplier	7440-50-8	0.1	2.0	0.289	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	2.0	0.289	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.05	2.0	0.1445	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	2.0	0.0289	mg	
Substance	3	Zinc	Supplier	7440-66-6	95.2145	2.0	275.1699	mg	
Substance	3	Aluminum	Supplier	7429-90-5	4.3	2.0	12.427	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.02	2.0	0.0578	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0030	2.0	0.00867	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	2.0	0.001445	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.0040	2.0	0.01156	mg	
Sub-Item	1	SCKT CNT PLTD 20DF 318 LR 30AU				7.0	92.5642002	mg	
Material	2	Nickel Plate				7.0	1.96	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.2	7.0	0.00392	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.1	7.0	0.00196	mg	
Substance	3	Nickel	Nickel	7440-02-0	99.7	7.0	1.95412	mg	
Material	2	Phos Bronze				7.0	90.2	mg	
Substance	3	Copper	Supplier	7440-50-8	94.6985	7.0	85.41805	mg	
Substance	3	Manganese	Supplier	7439-96-5	0.02	7.0	0.01804	mg	
Substance	3	Chromium	Supplier	7440-47-3	0.01	7.0	0.00902	mg	
Substance	3	Tin	Supplier	7440-31-5	4.5	7.0	4.059	mg	
Substance	3	Arsenic	Supplier	7440-38-2	0.0050	7.0	0.00451	mg	
Substance	3	Iron	Supplier	7439-89-6	0.1	7.0	0.0902	mg	
Substance	3	Antimony	Supplier	7440-36-0	0.01	7.0	0.00902	mg	
Substance	3	Beryllium	Supplier	7440-41-7	0.0010	7.0	9.02E-4	mg	
Substance	3	Zinc	Supplier	7440-66-6	0.3	7.0	0.2706	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	0.1	7.0	0.0902	mg	
Substance	3	Cobalt	Supplier	7440-48-4	0.1	7.0	0.0902	mg	
Substance	3	Cadmium	Cadmium/Cadmium Compounds	7440-43-9	0.0050	7.0	0.00451	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	0.05	7.0	0.0451	mg	
Substance	3	Nickel	Nickel	7440-02-0	0.1	7.0	0.0902	mg	
Substance	3	Mercury	Mercury/Mercury Compounds	7439-97-6	5.0E-4	7.0	4.51E-4	mg	
Material	2	Gold Plate				7.0	0.0391446	mg	
Substance	3	Gold	Supplier	7440-57-5	99.7	7.0	0.03902717	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.3	7.0	1.1743E-4	mg	
Material	2	Tin-Lead Plate				7.0	0.35	mg	
Substance	3	Lead	Lead/Lead Compounds	7439-92-1	13.0	7.0	0.0455	mg	
Substance	3	Tin	Supplier	7440-31-5	86.5	7.0	0.30275	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.5	7.0	0.00175	mg	
Material	2	Gold Plate				7.0	0.0150556	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2-1212	0.3	7.0	4.51668E-5	mg	

Substance	3	Gold	Supplier	7440-57-5	99.7	7.0	0.01501043	mg	
Sub-Item	1	15 MSFL RCPT RA 318 HSG				1.0	3898.8	mg	
Material	2	PA66-GF25				1.0	3898.8	mg	
Substance	3	Contains No Reportable TE5081-2 Substances	Supplier	TE5081-2- 0909	3.5	1.0	136.458	mg	
Substance	3	Benzenamine, reaction products with aniline hydrochloride and nitrobenzene	Supplier	101357-15-7	4.0	1.0	155.952	mg	
Substance	3	Glass, oxide, chemicals	Supplier	65997-17-3	25.0	1.0	974.7	mg	
Substance	3	Poly[imino(1,6- dioxo-1,6- hexanediy)]imi no-1,6- hexanediy]	Supplier	32131-17-2	61.5	1.0	2397.762	mg	
Substance	3	Phosphorus	Supplier	7723-14-0	6.0	1.0	233.928	mg	